Equipment Control

Objectives

Maintain Equipment Configuration Status for Safety

◆ Understand Requirements of 5480.19

◆ Using DOE 5480.19, Locate Applicable Guidelines and Requirements for Specific Activities

◆ Describe the Key Elements of a Lockout/Tagout System

Equipment Control

Control of Equipment & System Status

Maintain Equipment Configuration Status for Safety

- Status Change and Authorization Reporting

- Equipment and System Alignment

- Equipment Locking and Tagging

Equipment Control

Control of Equipment & System Status

◆ Operational Limits Compliance

◆ Equipment Deficiency Identification & Documentation

◆ Work Authorization and Documentation

◆ Equipment Post-Maintenance Testing & Return to Service

Equipment Control

Control of Equipment & System Status

- Alarm Status

- Temporary Modifications Control

- Distribution and Control of Equipment & System Documents

Equipment Control

Lockout and Tagout

Established a Method of Equipment Control Through Lockout / Tagout to Prevent Injury or Equipment Damage and to Maintain Operability and Boundaries

◆ Lockout / Tagout Use

◆ Lockout/Tagout Implementation

◆ Protective Materials and Hardware

◆ Lockout / Tagout Program

Equipment Control

Lockout and Tagout

◆ Procedures for Lockout / Tagout

◆ Application of Lockout / Tagout

◆ Testing or Positioning of Equipment or Components

◆ Periodic Inspections

◆ Caution Tags

Equipment Control

Lockout and Tagout

- ◆ Training and Communication

- ◆ Lockout / Tagout Implementation

- ◆ Notification of Personnel

- ◆ Outside Contractors

- ◆ Group Lockouts or Tagouts

- ◆ Shift or Personnel Changes

Equipment Control

Independent Verification

Ensure Facility Components are Positioned as Required to Support Operation

◆ Components Requiring Independent Verification

- Systems and Components with Safety Related Functions

- Non-Safety Related Components

◆ Occasions Requiring Independent Verification

Equipment Control

Independent Verification

◆ Verification Techniques

- Independence

- Remote Position Indicators

- Process Parameters

- Throttled Valves

- Surveillance Testing

- Operations Self-Appraisal and Verification

Equipment Control

Equipment and Pipe Labeling

Positive Identification of Facility Components

◆ Components Requiring Labeling

◆ Label Information

◆ Label Placement

◆ Replacing Labels